UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Fukatsu et al.	Examiner	
Serial No.:	10/580906	Group Art:	unknown
Filed:	May 26, 2006	Docket:	20039.0005USWO

Title: RECEPTOR FUNCTION REGULATING AGENT

CERTIFICATE UNDER 37 CFR 1.10
Express Mail mailing label number: EV 802672995 US
Date of Deposit: February 14, 2007

I hereby certify that the papers listed below are being deposited with the United States Postal Service Express Mail Post Office to Addressee service under 37 CFR 1.10 in an envelope addressed to: Mail Stop Missing PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

By: _____
Name: TRACY KIMMEL

Mail Stop: PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The following papers are transmitted herewith:

- ☒ Transmittal Sheet in duplicate containing Certificate of Mailing 1.10
- ☒ Sequence listing diskette (computer readable); sequence listing (paper copy)
- ☒ Communication: Submission of Computer Readable Sequence Listing
- ☒ Copy of the Notification to Comply with Requirements mailed December 14, 2006
- ☒ Return Postcard

Please charge any additional fees or credit overpayment to Deposit Account No. 50-3478. A duplicate of this sheet is enclosed.

By: _____
Name: Douglas P. Mueller
Reg. No.: 30,300
Initials: DPM:rkw

Hamre, Schumann, Mueller & Larson, P.C.
P.O. Box 2902 Minneapolis, MN 55402
612.455-3800

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/580,906	Kohji Fukatsu	20039.0005USWO

INTERNATIONAL APPLICATION NO.	
PCT/JP04/17996	
I.A. FILING DATE	PRIORITY DATE
11/26/2004	11/26/2003

52835
HAMRE, SCHUMANN, MUELLER & LARSON, P.C.
P.O. BOX 2902
MINNEAPOLIS, MN 55402-0902

CONFIRMATION NO. 7379

371 FORMALITIES LETTER

OC000000021582729

PROLAW

Date Mailed: 12/14/2006

NOTIFICATION TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE AND/OR AMINO ACID SEQUENCE DISCLOSURES

Applicant is given **TWO MONTHS FROM THE DATE OF THIS NOTICE** within which to file the items indicated below to avoid abandonment. Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

- A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 CFR 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing." Applicant must provide a substitute computer readable form (CRF) copy of the "Sequence Listing" and a statement that the content of the sequence listing information recorded in computer readable form is identical to the written (on paper or compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d).

Applicant is cautioned that correction of the above items may cause the specification and drawings page count to exceed 100 pages. If the specification and drawings exceed 100 pages, applicant will need to submit the required application size fee.

For questions regarding compliance to 37 CFR 1.821-1.825 requirements, please contact:

- **For Rules Interpretation, call (571) 272-0951**
- **For Patentin Software Program Help, call Patent EBC at 1-866-217-9197 or directly at 703-305-3028 / 703-308-6845 between the hours of 6 a.m. and 12 midnight, Monday through Friday, EST.**
- **Send e-mail correspondence for Patentin Software Program Help @ ebc@uspto.gov**

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web.
https://sportal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html

For more information about EFS-Web please call the USPTO Electronic Business Center at **1-866-217-9197** or visit our website at http://www.uspto.gov/ebc.

Seq. Diskette: 2/14/2007

ID

If you are not using EFS-Web to submit your reply, you must include a copy of this notice.

BARBARA A CAMPBELL

Telephone: (703) 308-9140 EXT 217

PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/580,906	PCT/JP04/17996	20039.0005USWO

FORM PCT/DO/EO/922 (371 Formalities Notice)

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/580,906
Source: IFW/P
Date Processed by STIC: 6/8/06

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, **PLEASE** USE THE **CHECKER VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (**<http://www.uspto.gov/ebc/efs/downloads/documents.htm>, EFS Submission User Manual** - ePAVE)
2. **U.S. Postal Service:** Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. **Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):** U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06

IFWP

RAW SEQUENCE LISTING DATE: 06/08/2006
PATENT APPLICATION: US/10/580,906 TIME: 10:08:05

Input Set : A:\Sequence Listing for RECEPTOR FUNCTION REGULATING AGENT.txt

Output Set: N:\CRF4\06082006\J580906.raw

```
      3 <110> APPLICANT: FUKATSU et al.
      5 <120> TITLE OF INVENTION: RECEPTOR FUNCTION REGULATING AGENT
      7 <130> FILE REFERENCE: 20039.0005USWO
C-->  9 <140> CURRENT APPLICATION NUMBER: US/10/580,906
     10 <141> CURRENT FILING DATE: 2006-05-26
     12 <150> PRIOR APPLICATION NUMBER: PCT/JP2004/017996
     13 <151> PRIOR FILING DATE: 2004-11-26
     15 <150> PRIOR APPLICATION NUMBER: JP 2003-394848
     16 <151> PRIOR FILING DATE: 2003-11-26
     18 <160> NUMBER OF SEQ ID NOS: 20
     20 <170> SOFTWARE: PatentIn Version 3.1
     22 <210> SEQ ID NO: 1
     23 <211> LENGTH: 361
     24 <212> TYPE: PRT
     25 <213> ORGANISM: Human
W--> 26 <400> SEQUENCE: 1
     28 Met Ser Pro Glu Cys Ala Arg Ala Ala Gly Asp Ala Pro Leu Arg Ser
     29                  5                  10                  15
     30 Leu Glu Gln Ala Asn Arg Thr Arg Phe Pro Phe Phe Ser Asp Val Lys
     31             20                  25                  30
     32 Gly Asp His Arg Leu Val Leu Ala Ala Val Glu Thr Thr Val Leu Val
     33         35                  40                  45
     34 Leu Ile Phe Ala Val Ser Leu Leu Gly Asn Val Cys Ala Leu Val Leu
     35     50                  55                  60
     36 Val Ala Arg Arg Arg Arg Arg Gly Ala Thr Ala Cys Leu Val Leu Asn
     37 65                  70                  75                  80
     38 Leu Phe Cys Ala Asp Leu Leu Phe Ile Ser Ala Ile Pro Leu Val Leu
     39                 85                  90                  95
     40 Ala Val Arg Trp Thr Glu Ala Trp Leu Leu Gly Pro Val Ala Cys His
     41            100                 105                 110
     42 Leu Leu Phe Tyr Val Met Thr Leu Ser Gly Ser Val Thr Ile Leu Thr
     43        115                 120                 125
     44 Leu Ala Ala Val Ser Leu Glu Arg Met Val Cys Ile Val His Leu Gln
     45    130                 135                 140
     46 Arg Gly Val Arg Gly Pro Gly Arg Arg Ala Arg Ala Val Leu Leu Ala
     47 145                 150                 155                 160
     48 Leu Ile Trp Gly Tyr Ser Ala Val Ala Ala Leu Pro Leu Cys Val Phe
     49                 165                 170                 175
     50 Phe Arg Val Val Pro Gln Arg Leu Pro Gly Ala Asp Gln Glu Ile Ser
     51             180                 185                 190
     52 Ile Cys Thr Leu Ile Trp Pro Thr Ile Pro Gly Glu Ile Ser Trp Asp
     53         195                 200                 205
     54 Val Ser Phe Val Thr Leu Asn Phe Leu Val Pro Gly Leu Val Ile Val
```

pp 4,6

Does Not Comply
Corrected Diskette Needed

RAW SEQUENCE LISTING DATE: 06/08/2006
PATENT APPLICATION: US/10/580,906 TIME: 10:08:05

Input Set : A:\Sequence Listing for RECEPTOR FUNCTION REGULATING AGENT.txt

Output Set: N:\CRF4\06082006\J580906.raw

```
     210                 215                 220
Ile Ser Tyr Ser Lys Ile Leu Gln Ile Thr Lys Ala Ser Arg Lys Arg
225                 230                 235                 240
Leu Thr Val Ser Leu Ala Tyr Ser Glu Ser His Gln Ile Arg Val Ser
                245                 250                 255
Gln Gln Asp Phe Arg Leu Phe Arg Thr Leu Phe Leu Leu Met Val Ser
            260                 265                 270
Phe Phe Ile Met Trp Ser Pro Ile Ile Ile Thr Ile Leu Leu Ile Leu
        275                 280                 285
Ile Gln Asn Phe Lys Gln Asp Leu Val Ile Trp Pro Ser Leu Phe Phe
    290                 295                 300
Trp Val Val Ala Phe Thr Phe Ala Asn Ser Ala Leu Asn Pro Ile Leu
305                 310                 315                 320
Tyr Asn Met Thr Leu Cys Arg Asn Glu Trp Lys Lys Ile Phe Cys Cys
                325                 330                 335
Phe Trp Phe Pro Glu Lys Gly Ala Ile Leu Thr Asp Thr Ser Val Lys
            340                 345                 350
Arg Asn Asp Leu Ser Ile Ile Ser Gly
        355                 360
```

<210> SEQ ID NO: 2
<211> LENGTH: 1083
<212> TYPE: DNA
<213> ORGANISM: Human

N--> <400> SEQUENCE: 2

```
atgtcccctg aatgcgcgcg ggcagcgggc gacgcgccct tgcgcagcct ggagcaagcc   60
aaccgcaccc gctttccctt cttctccgac gtcaagggcg accaccggct ggtgctggcc  120
gcggtggaga caaccgtgct ggtgctcatc tttgcagtgt cgctgctggg caacgtgtgc  180
gccctggtgc tggtggcgcg ccgacgacgc cgcggcgcga ctgcctgcct ggtactcaac  240
ctcttctgcg cggacctgct cttcatcagc gctatccctc tggtgctggc cgtgcgctgg  300
actgaggcct ggctgctggg ccccgttgcc tgccacctgc tcttctacgt gatgaccctg  360
agcggcagcg tcaccatcct cacgctggcc gcggtcagcc tggagcgcat ggtgtgcatc  420
gtgcacctgc agcgcggcgt gcggggtcct gggcggcggg cgcgggcagt gctgctggcg  480
ctcatctggg gctattcggc ggtcgccgct ctgcctctct gcgtcttctt ccgagtcgtc  540
ccgcaacggc tccccggcgc cgaccaggaa atttcgattt gcacactgat ttggcccacc  600
attcctggag agatctcgtg ggatgtctct tttgttactt tgaacttctt ggtgccagga  660
ctggtcattg tgatcagtta ctccaaaatt ttacagatca caaaggcatc aaggaagagg  720
ctcacggtaa gcctggccta ctcggagagc caccagatcc gcgtgtccca gcaggacttc  780
cggctcttcc gcaccctctt cctcctcatg gtctccttct tcatcatgtg gagccccatc  840
atcatcacca tcctcctcat cctgatccag aacttcaagc aagacctggt catctggccg  900
tccctcttct tctgggtggt ggccttcaca tttgctaatt cagccctaaa ccccatcctc  960
tacaacatga cactgtgcag gaatgagtgg aagaaaattt tttgctgctt ctggttccca 1020
gaaaagggag ccattttaac agacacatct gtcaaaagaa atgacttgtc gattatttct 1080
ggc                                                               1083
```

<210> SEQ ID NO: 3
<211> LENGTH: 361
<212> TYPE: PRT
<213> ORGANISM: Mouse

N--> <400> SEQUENCE: 3

```
Met Ser Pro Glu Cys Ala Gln Thr Thr Gly Pro Gly Pro Ser His Thr
```

RAW SEQUENCE LISTING DATE: 06/08/2006
PATENT APPLICATION: US/10/580,906 TIME: 10:08:05

Input Set : A:\Sequence Listing for RECEPTOR FUNCTION REGULATING AGENT.txt

Output Set: N:\CRF4\06082006\J580906.raw

```
104                 5                  10                  15
105 Leu Asp Gln Val Asn Arg Thr His Phe Pro Phe Phe Ser Asp Val Lys
106             20                  25                  30
107 Gly Asp His Arg Leu Val Leu Ser Val Val Glu Thr Thr Val Leu Gly
108         35                  40                  45
109 Leu Ile Phe Val Val Ser Leu Leu Gly Asn Val Cys Ala Leu Val Leu
110     50                  55                  60
111 Val Ala Arg Arg Arg Arg Arg Gly Ala Thr Ala Ser Leu Val Leu Asn
112 65                  70                  75                  80
113 Leu Phe Cys Ala Asp Leu Leu Phe Thr Ser Ala Ile Pro Leu Val Leu
114                 85                  90                  95
115 Val Val Arg Trp Thr Glu Ala Trp Leu Leu Gly Pro Val Val Cys His
116             100                 105                 110
117 Leu Leu Phe Tyr Val Met Thr Met Ser Gly Ser Val Thr Ile Leu Thr
118         115                 120                 125
119 Leu Ala Ala Val Ser Leu Glu Arg Met Val Cys Ile Val Arg Leu Arg
120     130                 135                 140
121 Arg Gly Leu Ser Gly Pro Gly Arg Arg Thr Gln Ala Ala Leu Leu Ala
122 145                 150                 155                 160
123 Phe Ile Trp Gly Tyr Ser Ala Leu Ala Ala Leu Pro Leu Cys Ile Leu
124                 165                 170                 175
125 Phe Arg Val Val Pro Gln Arg Leu Pro Gly Gly Asp Gln Glu Ile Pro
126             180                 185                 190
127 Ile Cys Thr Leu Asp Trp Pro Asn Arg Ile Gly Glu Ile Ser Trp Asp
128         195                 200                 205
129 Val Phe Phe Val Thr Leu Asn Phe Leu Val Pro Gly Leu Val Ile Val
130     210                 215                 220
131 Ile Ser Tyr Ser Lys Ile Leu Gln Ile Thr Lys Ala Ser Arg Lys Arg
132 225                 230                 235                 240
133 Leu Thr Leu Ser Leu Ala Tyr Ser Glu Ser His Gln Ile Arg Val Ser
134                 245                 250                 255
135 Gln Gln Asp Tyr Arg Leu Phe Arg Thr Leu Phe Leu Leu Met Val Ser
136             260                 265                 270
137 Phe Phe Ile Met Trp Ser Pro Ile Ile Ile Thr Ile Leu Leu Ile Leu
138         275                 280                 285
139 Ile Gln Asn Phe Arg Gln Asp Leu Val Ile Trp Pro Ser Leu Phe Phe
140     290                 295                 300
141 Trp Val Val Ala Phe Thr Phe Ala Asn Ser Ala Leu Asn Pro Ile Leu
142 305                 310                 315                 320
143 Tyr Asn Met Ser Leu Phe Arg Asn Glu Trp Arg Lys Ile Phe Cys Cys
144                 325                 330                 335
145 Phe Phe Phe Pro Glu Lys Gly Ala Ile Phe Thr Asp Thr Ser Val Arg
146             340                 345                 350
147 Arg Asn Asp Leu Ser Val Ile Ser Ser
148         355                 360
149 <210> SEQ ID NO: 4
150 <211> LENGTH: 1083
151 <212> TYPE: DNA
152 <213> ORGANISM: Mouse
```

RAW SEQUENCE LISTING DATE: 06/08/2006
PATENT APPLICATION: US/10/580,906 TIME: 10:08:05

Input Set : A:\Sequence Listing for RECEPTOR FUNCTION REGULATING AGENT.txt

Output Set: N:\CRF4\06082006\J580906.raw

W--> 153 <400> SEQUENCE: 4
154 atgtcccctg agtgtgcaca gacgacgggc cctggcccct cgcacaccct ggaccaagtc 60
155 aatcgcaccc acttcccttt cttctcggat gtcaagggcg accaccggtt ggtgttgagc 120
156 gtcgtggaga ccaccgttct ggggctcatc tttgtcgtct cactgctggg caacgtgtgt 180
157 gctctagtgc tggtggcgcg ccgtcggcgc cgtggggcga cagccagcct ggtgctcaac 240
158 ctcttctgcg cggatttgct cttcaccagc gccatccctc tagtgctcgt cgtgcgctgg 300
159 actgaggcct ggctgttggg gcccgtcgtc tgccacctgc tcttctacgt gatgacaatg 360
160 agcggcagcg tcacgatcct cacactggcc gcggtcagcc tggagcgcat ggtgtgcatc 420
161 gtgcgcctcc ggcgcggctt gagcggcccg gggcggcgga ctcaggcggc actgctggct 480
162 ttcatatggg gttactcggc gctcgccgcg ctgcccctct gcatcttgtt ccgcgtggtc 540
163 ccgcagcgcc ttcccggcgg ggaccaggaa attccgattt gcacattgga ttggcccaac 600
164 cgcataggag aaatctcatg ggatgtgttt tttgtgactt tgaacttcct ggtgccggga 660
165 ctggtcattg tgatcagtta ctccaaaatt ttacagatca cgaaagcatc gcggaagagg 720
166 cttacgctga gcttggcata ctctgagagc caccagatcc gagtgtccca acaagactac 780
167 cgactcttcc gcacgctctt cctgctcatg gtttccttct tcatcatgtg gagtcccatc 840
168 atcatcacca tcctcctcat cttgatccaa aacttccggc aggacctggt catctggcca 900
169 tccctttttct tctgggtggt ggccttcacg tttgccaact ctgccctaaa ccccatactg 960
170 tacaacatgt cgctgttcag gaacgaatgg aggaagattt tttgctgctt ctttttttcca 1020
171 gagaagggag ccatttttac agacacgtct gtcaggcgaa atgacttgtc tgttatttcc 1080
172 agc 1083
173 <210> SEQ ID NO: 5
174 <211> LENGTH: 20
175 <212> TYPE: DNA
176 <213> ORGANISM: Artificial Sequence
W--> 177 <220> FEATURE:
W--> 178 <223> OTHER INFORMATION:
W--> 178 <400> SEQUENCE: 5
179 gctgtggcat gcttttaaac 20
180 <210> SEQ ID NO: 6
181 <211> LENGTH: 20
182 <212> TYPE: DNA
183 <213> ORGANISM: Artificial Sequence
W--> 184 <220> FEATURE:
W--> 185 <223> OTHER INFORMATION:
W--> 185 <400> SEQUENCE: 6
186 cgctgtggat gtctatttgc 20
187 <210> SEQ ID NO: 7
188 <211> LENGTH: 30
189 <212> TYPE: DNA
190 <213> ORGANISM: Artificial Sequence
W--> 191 <220> FEATURE:
W--> 192 <223> OTHER INFORMATION:
W--> 192 <400> SEQUENCE: 7
193 agttcatttc cagtaccctc catcagtggc 30
194 <210> SEQ ID NO: 8
195 <211> LENGTH: 361
196 <212> TYPE: PRT
197 <213> ORGANISM: Rat
W--> 198 <400> SEQUENCE: 8

) see p. 6 for error explanation

This error appears in other sequences, too

RAW SEQUENCE LISTING DATE: 06/08/2006
PATENT APPLICATION: US/10/580,906 TIME: 10:08:05

Input Set : A:\Sequence Listing for RECEPTOR FUNCTION REGULATING AGENT.txt

Output Set: N:\CRF4\06082006\J580906.raw

```
199 Met Ser Pro Glu Cys Ala Gln Thr Thr Gly Pro Gly Pro Ser Arg Thr
200                  5                  10                  15
201 Pro Asp Gln Val Asn Arg Thr His Phe Pro Phe Phe Ser Asp Val Lys
202             20                  25                  30
203 Gly Asp His Arg Leu Val Leu Ser Val Leu Glu Thr Thr Val Leu Gly
204         35                  40                  45
205 Leu Ile Phe Val Val Ser Leu Leu Gly Asn Val Cys Ala Leu Val Leu
206     50                  55                  60
207 Val Val Arg Arg Arg Arg Arg Gly Ala Thr Val Ser Leu Val Leu Asn
208 65                  70                  75                  80
209 Leu Phe Cys Ala Asp Leu Leu Phe Thr Ser Ala Ile Pro Leu Val Leu
210                 85                  90                  95
211 Val Val Arg Trp Thr Glu Ala Trp Leu Leu Gly Pro Val Val Cys His
212             100                 105                 110
213 Leu Leu Phe Tyr Val Met Thr Met Ser Gly Ser Val Thr Ile Leu Thr
214         115                 120                 125
215 Leu Ala Ala Val Ser Leu Glu Arg Met Val Cys Ile Val Arg Leu Arg
216     130                 135                 140
217 Arg Gly Leu Ser Gly Pro Gly Arg Arg Thr Gln Ala Ala Leu Leu Ala
218 145                 150                 155                 160
219 Phe Ile Trp Gly Tyr Ser Ala Leu Ala Ala Leu Pro Leu Cys Ile Leu
220                 165                 170                 175
221 Phe Arg Val Val Pro Gln Arg Leu Pro Gly Gly Asp Gln Glu Ile Pro
222             180                 185                 190
223 Ile Cys Thr Leu Asp Trp Pro Asn Arg Ile Gly Glu Ile Ser Trp Asp
224         195                 200                 205
225 Val Phe Phe Val Thr Leu Asn Phe Leu Val Pro Gly Leu Val Ile Val
226     210                 215                 220
227 Ile Ser Tyr Ser Lys Ile Leu Gln Ile Thr Lys Ala Ser Arg Lys Arg
228 225                 230                 235                 240
229 Leu Thr Leu Ser Leu Ala Tyr Ser Glu Ser His Gln Ile Arg Val Ser
230                 245                 250                 255
231 Gln Gln Asp Tyr Arg Leu Phe Arg Thr Leu Phe Leu Leu Met Val Ser
232             260                 265                 270
233 Phe Phe Ile Met Trp Ser Pro Ile Ile Ile Thr Ile Leu Leu Ile Leu
234         275                 280                 285
235 Ile Gln Asn Phe Arg Gln Asp Leu Val Ile Trp Pro Ser Leu Phe Phe
236     290                 295                 300
237 Trp Val Val Ala Phe Thr Phe Ala Asn Ser Ala Leu Asn Pro Ile Leu
238 305                 310                 315                 320
239 Tyr Asn Met Ser Leu Phe Arg Ser Glu Trp Arg Lys Ile Phe Cys Cys
240                 325                 330                 335
241 Phe Phe Phe Pro Glu Lys Gly Ala Ile Phe Thr Glu Thr Ser Ile Arg
242             340                 345                 350
243 Arg Asn Asp Leu Ser Val Ile Ser Thr
244         355                 360
245 <210> SEQ ID NO: 9
246 <211> LENGTH: 1083
247 <212> TYPE: DNA
```

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 06/08/2006
PATENT APPLICATION: US/10/580,906 TIME: 10:08:06

Input Set : A:\Sequence Listing for RECEPTOR FUNCTION REGULATING AGENT.txt

Output Set: N:\CRF4\06082006\J580906.raw

Use of <220> Feature(NEW RULES): error explanation
Sequence(s) are missing the <220> Feature and associated headings.
Use of <220> to <223> is MANDATORY if <213> ORGANISM is "Artificial Sequence" or "Unknown". Please explain source of genetic material in <220> to <223> section (See "Federal Register," 6/01/98, Vol. 63, No. 104,pp.29631-32) (Sec.1.823 of new Rules)

Seq#:5,6,7,10,11,12,13,14,15,16,17,18,19,20

VERIFICATION SUMMARY DATE: 06/08/2006
PATENT APPLICATION: US/10/580,906 TIME: 10:08:06

Input Set : A:\Sequence Listing for RECEPTOR FUNCTION REGULATING AGENT.txt

Output Set: N:\CRF4\06082006\J580906.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application Number
L:26 M:283 W: Missing Blank Line separator, <400> field identifier
L:78 M:283 W: Missing Blank Line separator, <400> field identifier
L:102 M:283 W: Missing Blank Line separator, <400> field identifier
L:153 M:283 W: Missing Blank Line separator, <400> field identifier
L:177 M:283 W: Missing Blank Line separator, <220> field identifier
L:178 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:5, <213> ORGANISM:Artificial Sequence
L:178 M:283 W: Missing Blank Line separator, <400> field identifier
L:178 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:5,Line#:178
L:184 M:283 W: Missing Blank Line separator, <220> field identifier
L:185 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:6, <213> ORGANISM:Artificial Sequence
L:185 M:283 W: Missing Blank Line separator, <400> field identifier
L:185 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:6,Line#:185
L:191 M:283 W: Missing Blank Line separator, <220> field identifier
L:192 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:7, <213> ORGANISM:Artificial Sequence
L:192 M:283 W: Missing Blank Line separator, <400> field identifier
L:192 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:7,Line#:192
L:198 M:283 W: Missing Blank Line separator, <400> field identifier
L:249 M:283 W: Missing Blank Line separator, <400> field identifier
L:273 M:283 W: Missing Blank Line separator, <220> field identifier
L:274 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:10, <213> ORGANISM:Artificial Sequence
L:274 M:283 W: Missing Blank Line separator, <400> field identifier
L:274 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:10,Line#:274
L:280 M:283 W: Missing Blank Line separator, <220> field identifier
L:281 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:11, <213> ORGANISM:Artificial Sequence
L:281 M:283 W: Missing Blank Line separator, <400> field identifier
L:281 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:11,Line#:281
L:287 M:283 W: Missing Blank Line separator, <220> field identifier
L:288 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:12, <213> ORGANISM:Artificial Sequence
L:288 M:283 W: Missing Blank Line separator, <400> field identifier
L:288 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:12,Line#:288
L:294 M:283 W: Missing Blank Line separator, <220> field identifier
L:295 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:13, <213> ORGANISM:Artificial Sequence
L:295 M:283 W: Missing Blank Line separator, <400> field identifier
L:295 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:13,Line#:295
L:301 M:283 W: Missing Blank Line separator, <220> field identifier
L:302 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:14, <213> ORGANISM:Artificial Sequence
L:302 M:283 W: Missing Blank Line separator, <400> field identifier
L:302 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:14,Line#:302
L:308 M:283 W: Missing Blank Line separator, <220> field identifier
L:309 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:15, <213> ORGANISM:Artificial Sequence
L:309 M:283 W: Missing Blank Line separator, <400> field identifier
L:309 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:15,Line#:309

L:315 M:283 W: Missing Blank Line separator, <220> field identifier
L:316 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:16, <213>
ORGANISM:Artificial Sequence
L:316 M:283 W: Missing Blank Line separator, <400> field identifier
L:316 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:16,Line#:316
L:322 M:283 W: Missing Blank Line separator, <220> field identifier